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(54) RECORDING PAPER

(57)Abstract:

PURPOSE: To improve glossiness and water resistance by a method wherein a coating layer containing not only a synthetic silica but also a colloidal silica is formed on a base paper and treated with a water solution containing a cationic polymer electrolyte, and said coating layer still in a wet condition is contact-bonded on a heated mirror-finish surface and dried.

CONSTITUTION: After an aqueous coating liquid at least containing a synthetic silica as a pigment, a colloidal silica, and an aqueous binder is applied as an utmost layer of recording paper, a water solution at least containing a cationic polymer electrolyte is applied to treat the utmost layer. Therefore, a stable coating can be conducted without the occurrence of the thickening or cohesion of the coating liquid. Then, the utmost layer treated as the above still in a wet condition is contact bonded on a heated mirror-finish surface, whereby the recording paper is produced. In this manner, because the synthetic silica ensures the forming of a large number of voids and microfine surface irregularities, an ink absorption capacity is improved, and the reduction of glossiness is inhibited by using the colloidal silica in combination.

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